

# Report from Melville Bell Grosvenor to Gilbert Grosvenor, December 1914

Letter from A G B Dec 3, 1914 about Melville

A STATISTICAL INVESTIGATION Made in 1914 By Melville Bell Grosvenor

**A STATISTICAL INVESTIGATION Made in 1914 By Melville Bell Grosvenor**

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Beinn Bhreagh Dec 2, 1914, Mr Gilbert H Grosvenor; National Geographic Society,  
Washington, D. C. Dear Bert;—

We all expect to leave here for Washington tomorrow (Dec 3) so that this is my last opportunity for writing you a few words about Melville.

He has been a great comfort to me here and quite a companion. It has been a great pleasure to us to have him here although it must have been very lonely for him without any young people of his age to play with. The only thing that has troubled me has been his absence from school. I have been anxious to help him as much as possible in his studies but of course it has been impossible for me to do much in this direction. I have felt that the open air life he has been leading here has been of perhaps more consequence to him than too much study work at school. I find that he is a very conscientious boy and tries to follow out your instructions to him. Miss Schmidt has helped him a great deal and her companionship has meant a great deal to him in helping him to carry out the various good resolutions he has formed. She has also helped him with his Latin. I have not bothered myself about that excepting to show him occasionally how the Latin words he has learned enter into and explain English words. I have made the discovery, however, that this plan is not of much use in his II 2 present stage of development because, as a rule, the words of Latin origin are not within the compass of his vocabulary. It is the English words of Classical origin that are his stumbling blocks in reading,&c, so that the time has not yet come for him to find any knowledge of Latin a help in understanding his own language, that time will come later.

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He reads to me every day either from a newspaper or from a book. I have found, however, that the frequent occurrence of words of Classical origin in ordinary books and newspapers opposes a difficulty in his acquiring an instinctive knowledge of the principles of good reading. The subjects too, that interest me, do not necessarily interest him, so that reading of this kind is a drudgery which, however, he is very willing to undertake if he thinks that he is helping me. He is under the impression that my eyesight is a great deal worse than it really is, and that he is therefore saving my eyes, by reading to me things that are of no earthly interest to him. I have therefore changed my plans somewhat and have developed a great interest in fairy tales and stories that interest young people. Hans Christian Anderson is too young for Melville but Grimm's popular tales just suit his fancy. We have therefore been reading together one or two of these tales every evening, paragraph about,. Words of Classical origin are not so frequent as in ordinary books and he is learning to read in phrases instead of in individual words. There has been a marked improvement in his ability to read III 3 naturally in short phrases, and with frequent pauses between. By imitation, and by precept also, he is beginning to appreciate the principles of good reading; and I note the improvement especially when he reads from a newspaper or book containing the jawbreaking words over which he is accustomed to stumble. He enjoys the tales and really reads them with good expression.

I felt that your injunction to him to use the typewriter was of considerable importance as a means of improving his spelling and general knowledge of written language and hence I have encouraged him to do so as much as possible. In addition to the improvement manifest in his spelling the use of the typewriter has gradually been developing in him a love of neatness. He is not merely satisfied with typewriting and correcting his errors of spelling in ink but makes a fresh typewritten copy so that it will look as neat and nice as Miss Mackenzie's typewriting. He has developed a great ambition to have his typewriting look as well as hers.

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Then he has developed his GREAT AMBITION IN LIFE, which is to be an Editor like his father; and he has become perfectly possessed over the notion of having a magazine all of his own of which he shall be Editor. I have encouraged him in this and he has now produced three issues of the great new popular magazine known as "Wild Acres Weekly".

At first he thought of calling it the Wild Acres Recorder after the model of the Beinn Bhreagh Recorder, but finally decided to be original and call it a Weekly. He has worked almost day and night on this Journal and has the IV 4 ambition of making every page as neat as Miss Mackenzie's typewriting and he has consulted me about the duties of an Editor. I pointed out the fact that his father did not do much of the writing in the National Geographic Magazine but read the articles through carefully and made sub-heads to bring out prominently the good features in the articles without which many of the more important articles would be dry and uninteresting. This, I said, was, par excellence, Editorial work so he has the ambition of getting articles from his Contributing Editors, and editing them properly by giving suitable titles and subheads of his own. It was really interesting the other evening to hear the conversation between Melville and Mr Frost upon the duties and responsibilities of an Editor. Mr Frost talked to him as though he was thirty years old instead of thirteen and gave him good advice upon the subject. I don't think that anything that Melville has hitherto done is more conducive to self-improvement than his work on the "Wild Acres Weekly".

Take one little thing as a pointer. He has never been accustomed to commit things to memory and he has hated anything that looked like poetry and almost refused to read it. But it is a part of an Editor's duty to include little poems in his magazine and he has selected certain verses to put in Wild Acres Weekly. He has had to take a great deal of trouble with the typewriting to make the lines come nicely on the typewritten page and in his Ballad of Jack Munroe he encountered difficulties that made him typewrite that page several times IV 5 in order to make it look as neatly as Miss Mackenzie's work. On the same page occurs, as a little filler, a rhyme concerning the number of days in a month

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which I had vainly tried to get him to commit to memory. He didn't want to do it and didn't I did not insist but simply suggested that it would be a nice thing to put it in the Weekly for the benefit of Gertrude and the other children. Well I tested him last night and he has it by heart. I have no doubt also, though I have not tested him, that he knows the Ballad of Jack Munroe by heart and without any effort upon his part to learn it..

I think the cultivation of memory a very important part in education and I have no doubt that by encouraging him to insert in the Wild Acres Weekly little quotations that are worthy of being remembered he will unconsciously learn them by heart. This indirect method is, I think, of great importance in education.

I have pursued this indirect method in arithmetic. He has not had any sums or formal work as though he had been in school. I have simply asked him to help me with my work. I never met any boy who had such a desire to help others, and he is perfectly willing to go through any amount of drudgery, if by so doing he can relieve others of it. This is a fine trait in the boy and so I take advantage of it for his own good. I have recently been at work upon an important Statistical Table; and Melville understands that, in order to secure accuracy, it is necessary to do the whole work twice so as to verify everything. So that, without help from others I would VI 6 be obliged to go over the whole work a second time myself. He was very anxious to help me and so did all the work, himself, independently of me. Then we compared results, spotted errors and corrected them. I thought you would like to see the nature of the work in arithmetic carried on by Melville so I have preserved his original work upon this table and enclose it herewith. I think you will recognize the fact that, in doing this work, he has had quite as much practice in arithmetic as though I had given him set sums. In addition to the practice he has had his mental powers exerted. He has understood the object of the Table and, another point, not the least, he has finished it even to the making of a graphical diagram to illustrate the results. It is a complete investigation, of an important subject made by Melville himself, independently of me, in order to verify my results.

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The practice he has had in arithmetic has made him quite an expert in Addition. In Multiplication I find him quite defective. He has not his Multiplication Table at his fingers ends and requires much drilling to make him an expert in arithmetic. I have not been able to give him the direct practice he requires and would recommend that some attention should be paid to this upon his return home so that he may become perfectly familiar with the Multiplication Table at least as high as nine.

I thought, however, that I could best help him in this matter by showing him how to be accurate in his computations, and verify his work in Multiplication and Division.

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7 It seemed to me that accuracy was at least as important as expertness. So I have introduced him to the method employed in the Census Office for securing accuracy of results, a process which substitutes Addition and Subtraction, for Multiplication and Division. Melville has taken to this like a duck to water and his success in securing accuracy with ease has been so remarkable that it seems to me these processes should be taught in our Public Schools. Still this should not be allowed to interfere with expertness in the use of Multiplication and Division and Melville certainly should be made thoroughly familiar with his Multiplication Table and with the working of sums in Multiplication and Division directly, as well as the indirect process he has learned here which secures accuracy without necessary expertness.

I wish I had time to write to you fully all my ideas about Melville but this letter is now sufficiently long.

One thing and I will have done. There are many signs of a disordered nervous system in Melville that occasion me great trouble and lead me to the conclusion that we should avoid as much as possible exciting him unduly. I have tried to help him in this by talking to him quite freely and encouraging him to try to control himself. Take for example his constant habit of fiddling with his hair. He has tried honestly to check himself in this. I tell

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him there is no harm in his fiddling with his hair, in itself, but when he does it hundreds and hundreds of times in a day he wants to check the habit. He is quite sensitive upon the subject and has been VIII 8 trying his best to overcome the habit. But not with much success and at last he appealed to me to tell him when I saw him fiddling with his hair. I did this for some time and then came to question the wisdom of directing his attention too much to a peculiarity of this kind. It makes him self-conscious. I told him that he must try to control it himself and suggested that perhaps the best plan would be for him to find some occupation for his hands. The difficulty is to know what to do. I told him if he was only a girl he could try knitting, but I really didn't know what fiddling occupation to suggest to a boy and he must just do the best he can. He went into town yesterday to have his hair cut and I found that one of the reasons the poor fellow had in his mind was the desire to get rid of that obnoxious lock of hair with which he was constantly fiddling. He told me he thought he could not fiddle with it any more if it was not there .

By the by, this reminds me of his constitutional timidity. I have tried to encourage him to be self-reliant and, indirectly, to overcome this spirit of timidity. Whatever the cause I can see a marked improvement in his control of himself in this respect. You remember, for example, how, only a short time ago, nothing could induce him to ride on his pony for fear of falling off, or being kicked, or something of that kind. He has quite overcome this fear and has been riding his pony every day. He even likes to gallop and shows his bravery by leaving go of the reins and holding his hands up. Such an exploit caused him to come to grief the other day. His foot IX 9 lost the stirrup and he rolled off onto the ground and the pony stepped on his foot. Now only a short time ago such an accident would have led him to the resolution that he would never, never, never ride the pony any more. He was pretty well shaken up, but not much hurt. I came to the conclusion that his riding days were over, for this season at least; but no, he went right on as though nothing had happened; and yesterday rode all the way into Baddeck, and back again, on his pony, to get his hair cut. There is no question about it, he is getting braver. This is surely enough for the present,

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and I can only say that I love the boy and feel proud of him, and must thank you and Elsie for letting me have him here.

Yours sincerely, Alexander Graham Bell

1

**see pages 47, 48 & 49 Step 1 INDIVIDUAL AGES AT DEATH Additions by Groups of Five**

2

INDIVIDUAL AGES AT DEATH OF THE PERSONS AND OF THEIR FATHERS AND MOTHERS

Individual ages at death of persons of fathers of mothers 0 36 62 0 37 76 0 44 32 0 48 77  
0 49 50 0 219 297 0 51 30 0 53 84 0 55 34 0 55 52 0 55 78 0 269 278 0 56 48 0 56 55 0  
57 67 0 58 65 0 59 33 0 286 268 0 59 85 0 62 37 0 62 59 0 62 59 0 64 91 0 309 331 0 65  
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64 128 94 185 86 129 65 37 76 65 45 51 65 57 67 65 64 91 65 325 66 269 28 313 65 69  
68 65 78 62 65 80 53 65 80 89 65 325 81 388 37 309 65 81 37 65 84 41 65 84 74 65 89  
43 65 325 91 429 43 238 65 96 66 65 96 66 66 61 96 66 64 79 66 65 89 66 71 89 66 330  
73 334 57 410 66 73 78 66 73 78 66 74 72 66 75 80 66 330 77 372 81 389 66 79 61 66 80  
62 66 80 83 66 80 89 66 330 81 400 54 349 66 84 31 66 84 83 66 85 80 66 86 82 66 330

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87 426 82 358 66 89 43 66 89 82 66 198 91 269 76 201 67 69 68 67 70 55 67 70 62 67  
71 39 67 335 77 357 47 271 67 78 64 67 78 78 67 80 81 67 83 43 67 335 83 402 92 358  
Verified AGB F.W.B. 20 19 67 86 86 67 87 54 67 201 95 268 74 214 68 40 79 68 43 94  
68 52 59 68 56 79 68 340 60 251 89 400 68 61 65 68 62 74 68 65 89 68 69 57 68 340 70  
327 46 331 68 71 76 68 76 89 68 77 89 68 78 58 68 340 86 388 53 365 68 86 84 68 86 86  
68 86 86 68 87 82 68 340 88 433 49 387 68 89 58 68 136 89 178 64 122 69 57 67 69 63  
41 69 63 57 69 64 79 69 345 67 915 84 328 314 69 70 62 69 71 63 69 72 70 69 74 78 69  
345 77 364 74 347 69 79 84 69 82 80 69 84 74 69 86 53 69 345 89 420 71 362 70 37 76  
70 40 79 70 54 53 70 54 53 70 350 54 239 71 332 70 54 71 70 57 79 70 57 79 70 58 90  
70 350 64 290 35 354 70 68 76 70 71 76 70 78 61 70 80 63 70 350 81 378 64 340 70 81  
79 70 81 84 70 85 80 70 86 87 70 350 88 421 37 367 70 92 84 70 140 94 186 88 172 71  
39 39 71 61 73 71 62 57 71 62 74 71 355 62 286 74 317 21 20 71 64 35 71 64 79 71 68  
76 71 71 44 71 355 76 343 89 323 71 77 89 71 78 54 71 80 83 71 81 37 71 355 81 397 64  
327 71 82 49 71 83 66 71 83 82 71 89 58 71 355 91 428 76 331 71 92 73 71 142 94 186  
88 161 72 51 45 72 64 79 72 65 75 72 67 68 72 360 76 323 81 348 72 76 89 72 79 84 72  
80 81 72 81 64 72 360 86 402 82 400 72 88 49 72 144 89 177 58 107 73 54 71 73 55 84  
73 61 96 73 63 41 73 365 70 303 76 368 73 71 83 73 72 70 73 73 78 73 76 89 73 365 79  
374 371 82 382 402 73 80 62 73 80 76 73 81 64 73 81 90 73 365 86 408 84 376 73 86 86  
73 89 43 73 91 43 73 91 43 73 365 91 448 83 298 74 57 67 74 63 41 74 65 89 74 70 41  
74 370 71 326 46 284 74 76 89 74 79 84 74 81 64 74 81 76 74 370 81 398 79 392 74 81  
84 74 84 85 74 88 83 74 296 89 342 63 315 75 50 37 75 71 70 75 74 75 75 76 60 75 375  
78 349 82 324 22 21 75 75 84 84 83 83 76 38 89 76 44 96 76 58 90 76 64 79 76 380 65  
269 75 429 76 71 29 76 74 78 76 78 64 76 80 81 76 380 81 384 90 342 76 83 82 76 85 81  
76 86 87 76 88 49 76 380 95 437 74 373 77 52 59 77 60 89 77 61 96 77 65 89 77 385 70  
308 62 395 77 76 81 77 76 89 77 77 74 77 78 62 77 385 80 387 81 387 77 81 37 77 81 65  
77 83 82 77 84 41 77 385 84 413 69 294 78 55 34 78 63 41 78 66 28 78 71 29 78 390 71  
326 44 176 78 72 81 78 74 78 79 84 78 81 64 78 390 86 372 392 86 393 78 87 56 78  
88 49 78 89 71 78 90 70 78 390 92 446 73 319 78 78 92 92 84 84 79 51 92 79 56 55 79  
68 69 79 71 54 79 395 76 322 81 351 79 76 81 79 78 62 79 80 76 79 80 81 79 395 81 395  
64 364 79 81 65 79 81 84 79 83 80 79 85 64 79 395 87 417 56 349 79 89 82 79 91 76 79  
237 92 272 73 251 231 23 22 Melville 80 49 41 80 65 75 80 66 80 80 67 84 80 400 71 318  
54 334 80 73 49 80 79 84 80 81 79 80 81 90 80 400 91 405 77 379 80 92 73 80 92 73 81  
36 62 81 44 33 81 56 79 81 60 89 81 67 76 405 263 339 81 71 39 81 73 40 81 76 40 81  
78 54 81 78 62 405 376 235 81 78 62 81 79 61 81 81 56 81 81 62 81 81 64 405 400 305  
81 81 76 81 81 79 81 83 66 81 83 80 81 86 85 405 414 386 81 86 87 81 89 63 81 94 88  
243 269 238 82 38 89 82 62 57 82 63 41 82 67 76 82 410 77 307 74 337 82 78 78 82 80

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81 82 80 83 82 81 62 82 410 81 400 65 369 82 81 79 82 85 64 82 91 83 82 92 84 328 349  
310 83 49 41 83 51 45 83 67 91 83 73 83 83 74 60 415 314 320 83 74 75 83 76 89 83 80  
83 83 83 80 83 85 27 415 398 354 83 87 38 83 87 79 83 89 64 83 90 77 332 353 258 84  
49 30 84 68 76 84 68 93 84 79 61 84 80 66 420 344 326 84 83 43 84 86 87 84 91 43 84  
91 77 84 92 84 420 443 334 Verified AGB CDM 24 23 84 93 86 84 93 86 85 63 75 85 71  
50 85 73 78 85 74 78 85 79 61 425 360 342 85 81 66 85 83 80 85 83 82 85 84 80 85 89  
43 425 420 351 85 91 76 85 92 84 85 93 86 85 96 66 340 372 312 86 54 53 86 60 89 86  
71 50 86 71 50 86 72 81 430 328 323 86 80 76 86 80 76 86 81 79 86 81 79 86 85 76 430  
407 386 86 86 86 86 172 172 172 87 44 96 87 60 89 87 60 89 87 64 35 87 73 83  
435 301 392 87 84 41 87 86 82 87 92 84 261 262 207 88 67 45 88 83 30 88 86 22 88 94  
88 352 330 185 89 56 55 89 56 55 89 73 40 89 76 89 89 77 77 445 338 316 89 84 80 89  
84 83 89 85 82 89 86 84 89 86 87 445 425 416 89 92 84 89 96 66 89 96 66 267 284 216  
90 44 84 90 60 89 90 73 78 90 86 82 90 89 82 450 352 415 91 67 45 91 76 50 91 76 89  
91 83 82 91 86 86 455 388 352 25 24 92 80 76 92 85 82 92 88 83 276 253 241 94 93 86  
94 93 86 95 92 84 95 92 86 26

### Step II ADDITIONS OF THE GROUPS OF FIVE Into Larger Groups of Five

27 Melville Grosvenor

#### SUMMARY

Age at death number of cases Aggregate years lived by persons by fathers by mothers  
0 yrs 5 0 214 297 5 0 269 278 5 0 286 268 5 0 309 331 5 0 329 284 25 0 1407 1458 5 0  
337 420 5 0 349 284 5 0 355 254 5 0 356 322 5 0 366 260 25 0 1763 1540 5 0 375 300 5  
0 390 273 5 0 396 327 5 0 400 398 5 0 404 303 25 0 1965 1601 5 0 405 406 5 0 411 350  
5 0 424 320 4 0 356 185 19 0 1596 1261 94 1 yrs 5 5 210 298 5 5 249 311 5 5 258 365  
5 5 276 307 5 5 287 303 25 25 1280 1584 5 5 294 314 5 5 311 354 5 5 327 340 5 5 350  
246 5 5 359 359 25 25 1641 1613 5 5 370 337 5 5 378 343 5 5 388 400 5 5 398 326 5 5  
411 315 25 25 1945 1721 5 5 424 344 5 5 438 308 1 1 95 72 11 11 957 724 86 Verified  
AGB CDM 28 2 2 yrs 5 10 238 292 5 10 305 366 5 10 331 309 5 10 353 263 5 10 361 334  
25 50 1588 1564 5 10 375 304 5 10 389 299 5 10 405 321 4 8 354 224 19 38 1523 1148  
44 3 yrs 5 15 268 242 5 15 322 321 5 15 355 247 5 15 386 374 5 15 420 293 25 75 1751  
1477 2 6 178 129 2 6 178 129 27 4 yrs 5 20 323 272 5 20 369 418 5 20 395 337 5 20 423  
343 1 4 91 77 21 84 1601 1447 21 5 yrs 5 25 268 298 5 25 355 295 5 25 386 359 3 15  
254 210 18 90 1263 1162 18 6 yrs 5 30 294 331 3 18 233 219 8 48 527 550 8 29 3 7 yrs  
5 35 311 257 3 21 266 211 8 56 577 468 8 8 yrs 5 40 304 357 3 24 247 239 8 64 551 596  
9 yrs 5 45 322 337 3 27 269 220 8 72 591 557 10 yrs 5 50 353 347 5 50 353 347 11 yrs

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5 55 344 272 3 33 252 219 8 88 596 491 12 yrs 5 60 257 263 5 60 399 292 10 120 656  
555 13 yrs 5 65 292 307 2 26 166 141 7 91 458 448 14 yrs 5 70 356 311 5 70 356 311  
15 yrs 5 75 311 316 5 75 391 356 10 150 702 672 16 yrs 5 80 328 276 1 16 95 72 6 96  
423 348 17 yrs 5 85 326 289 1 17 81 61 6 102 407 350 30 4 18 yrs 5 90 269 212 5 90 350  
288 5 90 398 357 2 36 183 132 17 306 1200 989 19 yrs 5 95 278 283 5 95 336 322 5 95  
373 341 5 95 408 311 20 380 1395 1257 20 yrs 5 100 239 324 5 100 333 258 5 100 360  
317 5 100 387 287 1 20 86 84 21 420 1405 1270 21 yrs 5 105 258 298 5 105 363 286 5  
105 406 324 1 21 85 81 16 336 1112 989 22 yrs 5 110 260 358 5 110 339 328 5 110 413  
301 15 330 1012 987 23 yrs 5 115 236 304 5 115 286 339 5 115 340 397 5 115 373 259  
3 69 241 219 23 529 1476 1518 24 yrs 5 120 225 226 5 120 299 326 5 120 374 291 4 96  
333 286 19 456 1231 1129 31 5 25 yrs 5 125 229 296 5 125 284 293 5 125 332 337 5 125  
397 372 4 100 346 256 24 600 1588 1554 26 yrs 5 130 234 277 5 130 285 299 5 130 353  
303 5 130 400 351 1 26 81 64 21 546 1353 1294 27 yrs 5 135 277 343 5 135 360 379 5  
135 414 341 15 405 1051 1063 28 yrs 5 140 244 287 5 140 343 285 5 140 384 317 2 56  
181 127 17 476 1152 1016 29 yrs 5 145 297 267 5 145 345 345 5 145 387 322 1 29 81  
83 16 464 1170 1017 30 yrs 5 150 294 330 5 150 363 290 5 150 407 362 3 90 264 225  
18 540 1328 1207 31 yrs 5 155 279 334 5 155 318 385 5 155 374 263 5 155 396 328 20  
620 1367 1310 32 Miss Schmidt's work AGB 6 32 yrs 5 160 262 361 5 160 375 327 5 160  
409 351 3 96 270 223 18 18 576 1316 1262 33 yrs 5 165 268 275 5 165 328 359 5 165  
387 311 3 99 266 204 18 594 1249 1149 34 yrs 5 170 309 287 5 170 380 347 3 102 255  
218 13 13 442 944 852 35 yrs 5 175 247 311 5 175 358 294 4 140 329 297 14 14 490 934  
902 36 yrs 5 180 320 369 5 180 377 368 2 72 176 109 12 12 432 873 846 37 yrs 5 185  
248 263 5 185 310 395 5 185 370 342 4 148 324 244 19 703 1252 1244 38 yrs 5 190 304  
288 5 190 359 343 3 114 238 196 13 13 494 901 827 39 yrs 5 195 249 374 5 195 333 401  
5 195 390 348 5 195 416 288 2 78 175 148 22 858 1563 1559 33 7 40 yrs 5 200 294 281  
5 200 348 351 5 200 387 371 1 40 83 43 16 16 640 1112 1046 41 yrs 5 205 254 352 5  
205 327 343 5 205 376 345 -5 205 418 382 20 820 1375 1422 42 yrs 5 210 283 305 5 210  
359 317 5 210 387 380 3 126 251 210 18 18 756 1280 1212 43 yrs 5 215 285 326 5 215  
410 415 10 10 430 695 741 44 yrs 5 220 272 369 5 220 397 362 4 176 335 291 14 14 616  
1004 1022 45 yrs 5 225 272 356 5 225 338 403 5 225 375 323 5 225 410 287 2 90 183  
157 22 22 990 1578 1526 46 yrs 5 230 293 338 5 230 382 362 5 230 406 302 1 46 84 83  
16 16 736 1165 1085 34 8 Melville 47 yrs 5 235 274 371 5 235 347 278 5 235 403 374 4  
188 344 280 19 893 1368 1303 48 yrs 5 240 242 409 5 240 329 363 5 240 374 347 4 192  
331 288 19 912 1276 1407 49 yrs 5 245 255 408 5 245 354 284 5 245 383 244 3 147 265  
183 18 882 1257 1119 50 yrs 5 250 261 252 5 250 321 341 5 250 380 281 5 250 424 303  
4 200 363 286 24 1200 1749 1463 51 yrs 5 255 227 329 5 255 296 302 5 255 344 284

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5 255 363 338 4 204 330 276 24 1224 1560 1529 52 yrs 5 260 260 348 5 260 359 316 4  
208 315 286 14 728 934 950 53 yrs 5 265 266 366 5 265 334 288 5 265 414 290 15 795  
1014 944 35 9 54 yrs 5 270 263 299 5 270 352 336 5 270 415 373 15 810 1030 1008 55  
yrs 5 275 308 356 5 275 391 342 5 275 441 370 15 825 1140 1068 56 yrs 5 280 271 322  
5 280 342 339 5 280 400 364 5 280 436 333 20 1120 1449 1358 57 yrs 5 285 235 307  
5 285 297 328 5 285 397 336 3 171 265 137 18 1026 1194 1108 58 yrs 5 290 300 359 5  
290 355 360 5 290 406 330 15 870 1061 1049 59 yrs 5 295 311 320 5 295 346 292 5 295  
375 338 4 236 326 292 19 1121 1358 1242 60 yrs 5 300 274 351 5 300 368 323 5 300  
427 378 1 60 92 84 16 960 1161 1136 61 yrs 5 305 320 290 5 305 367 302 5 305 410 324  
1 61 89 58 16 976 1186 974 36 10 62 yrs 5 310 273 354 5 310 342 301 5 310 375 370  
5 310 411 283 3 186 258 231 23 1426 1659 1539 63 yrs 5 315 323 310 5 315 380 399 3  
189 249 167 13 819 952 876 64 yrs 5 320 303 389 5 320 371 343 5 320 428 333 2 128  
185 129 17 1088 1287 1194 65 yrs 5 325 269 313 5 325 388 309 5 325 429 238 1 65 96  
66 16 1040 1182 926 66 yrs 5 330 334 410 5 330 372 389 5 330 400 349 5 330 426 358  
3 198 269 201 23 1518 1801 1707 67 yrs 5 335 357 271 5 335 402 358 3 201 268 214 13  
871 1027 843 68 yrs 5 340 251 400 5 340 327 331 5 340 388 365 5 340 433 387 2 136  
178 122 22 1496 1577 1605 37 11 69 yrs 5 345 314 328 5 345 364 347 5 345 420 362 15  
1035 1098 1037 70 yrs 5 350 239 332 5 350 290 354 5 350 378 340 5 350 421 367 2 140  
186 172 22 1540 1514 1565 71 yrs 5 355 286 317 5 355 343 323 5 355 397 327 5 355  
428 331 2 142 186 161 22 1562 1640 1459 72 yrs 5 360 323 348 5 360 402 400 2 144  
177 107 12 864 902 855 73 yrs 5 365 303 368 5 365 371 402 5 365 408 376 5 365 448  
298 20 1460 1530 1444 74 yrs 5 370 326 284 5 370 398 392 4 296 342 315 14 1036 1066  
991 75 yrs 5 375 349 324 1 75 84 83 6 450 433 407 76 yrs 5 380 269 429 5 380 384 342  
5 380 437 373 15 1140 1090 1144 38 12 77 yrs 5 385 308 395 5 385 387 387 5 385 413  
294 15 1155 1108 1076 78 yrs 5 390 326 176 5 390 392 393 5 390 446 319 1 78 92 84  
16 1248 1256 972 79 yrs 5 395 322 351 5 395 395 364 5 395 417 349 3 237 272 231 18  
1422 1406 1295 80 yrs 5 400 318 334 5 400 405 379 1 80 92 73 11 880 815 786 81 yrs  
5 405 263 339 5 405 376 235 5 405 400 305 5 405 414 386 3 243 269 238 23 1863 1722  
1503 82 yrs 5 410 307 337 5 410 400 369 4 328 349 310 14 1148 1056 1016 83 yrs 5 415  
314 320 5 415 398 354 4 332 353 258 14 1162 1065 932 84 yrs 5 420 344 326 5 420 443  
334 1 84 93 86 11 924 880 746 39 Miss Schmidt's work AGB 13 85 yrs 5 425 360 342 5  
425 420 351 4 340 372 312 14 1190 1152 1005 86 yrs 5 430 328 323 5 430 407 386 2  
172 172 172 12 1032 907 881 87 yrs 5 435 301 392 3 261 262 207 8 696 563 599 88 yrs  
4 352 330 185 4 352 330 185 89 yrs 5 445 338 316 5 445 425 416 3 267 284 216 13 1157  
1047 948 90 yrs 5 450 352 415 5 450 352 415 91 yrs 5 455 388 352 5 455 388 352 92 yrs

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3 276 253 241 3 276 253 241 93 yrs 94 yrs 1 94 93 86 1 94 93 86 95 yrs 1 95 92 84 1 95  
92 84 40

### Step III GENERAL SUMMARY

By single years

By five year periods

By ten year periods

By twenty year periods

41

### GENERAL SUMMARY

Age at death Number of cases Aggregate years lived by persons by fathers by mothers  
By single years 0 yrs 94 0 6731 5860 1 yrs 86 86 5823 5642 2 yrs 44 88 3111 2712 3 yrs  
27 81 1929 1606 4 yrs 21 272 84 339 1601 19195 1447 17267 5 yrs 18 90 1263 1162 6  
yrs 8 48 527 550 7 yrs 8 56 577 468 8 yrs 8 64 551 596 9 yrs 8 50 72 330 591 3509 557  
3333 10 yrs 5 50 353 347 11 yrs 8 88 596 491 12 yrs 10 120 656 555 13 yrs 7 91 458 448  
14 yrs 5 35 70 419 356 2419 311 2152 15 yrs 10 150 702 672 16 yrs 6 96 423 348 17 yrs  
6 102 407 350 18 yrs 17 306 1200 989 19 yrs 20 59 380 1034 1395 4127 1257 3616 20  
yrs 21 420 1405 1270 21 yrs 16 336 1112 989 22 yrs 15 330 1012 987 23 yrs 23 529 1476  
1518 24 yrs 19 94 456 2071 1231 6236 1129 5893 25 yrs 24 600 1588 1554 26 yrs 21 546  
1353 1294 27 yrs 15 405 1051 1063 28 yrs 17 476 1152 1016 29 yrs 16 93 464 2491 1110  
6254 1017 5944 30 yrs 18 540 1328 1207 31 yrs 20 620 1367 1310 32 yrs 18 576 1316  
1262 33 yrs 18 594 1249 1149 34 yrs 13 87 442 2772 944 6204 852 5780 Verified AGB  
CDM MDG AGB G.S 42 Melville 35 yrs 14 490 934 902 36 yrs 12 432 873 846 37 yrs 19  
703 1252 1244 38 yrs 13 494 901 827 39 yrs 22 858 1563 1559 80 2977 5523 5378 40  
yrs 16 640 1112 1046 41 yrs 20 820 1375 1422 42 yrs 18 756 1280 1212 43 yrs 10 430  
695 741 44 yrs 14 616 1004 1022 78 3262 5466 5443 45 yrs 22 990 1578 1526 46 yrs  
16 736 1165 1085 47 yrs 19 893 1368 1303 48 yrs 19 912 1276 1407 49 yrs 18 882 1257  
1119 94 4413 6644 6440 50 yrs 24 1200 1749 1463 51 yrs 24 1224 1560 1529 52 yrs 14  
728 934 950 53 yrs 15 795 1014 944 54 yrs 15 810 1030 1008 92 4757 6287 5894 55 yrs  
15 825 1140 1068 56 yrs 20 1120 1449 1358 57 yrs 18 1026 1194 1108 58 yrs 15 870  
1061 1049 59 yrs 19 1121 1358 1242 87 4962 6202 5825 60 yrs 16 960 1161 1136 61 yrs

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16 976 1186 974 62 yrs 23 1426 1659 1539 63 yrs 13 819 952 876 64 yrs 17 1088 1287  
1194 85 5269 6245 5719 65 yrs 16 1040 1182 926 66 yrs 23 1518 1801 1707 67 yrs 13  
871 1027 843 68 yrs 22 1496 1577 1605 69 yrs 15 1035 1098 1037 89 5960 6685 6118  
43 3 70 yrs 22 1540 1514 1565 71 yrs 22 1562 1640 1459 72 yrs 12 864 902 855 73 yrs  
20 1460 1530 1444 74 yrs 14 1036 1066 991 90 6462 6652 6314 75 yrs 6 450 433 407  
76 yrs 15 1140 1090 1144 77 yrs 15 1155 1108 1076 78 yrs 16 1248 1256 972 79 yrs 18  
1422 1406 1295 70 5415 5293 4894 80 yrs 11 880 815 786 81 yrs 23 1863 1722 1503  
82 yrs 14 1148 1056 1016 83 yrs 14 1162 1065 932 84 yrs 11 924 880 746 73 5977 5538  
4983 85 yrs 14 1190 1152 1005 86 yrs 12 1032 907 881 87 yrs 8 696 563 599 88 yrs 4  
352 330 185 89 yrs 13 1157 1047 948 51 4427 3999 3618 90 yrs 5 450 352 415 91 yrs  
5 455 388 352 92 yrs 3 276 253 241 93 yrs 94 yrs 1 94 93 86 14 1275 1086 1094 space  
95 yrs 1 95 92 84 96 yrs 97 yrs 98 yrs 99 yrs 1 95 92 84 By five-year periods 44 Melville  
under 5 yrs 272 339 19195 17267 5 & under 10 yrs 50 330 3509 3333 10 & under 15 yrs  
35 419 2419 2152 15 & under 20 yrs 59 1034 4127 3616 416 2122 29250 26368 20 &  
under 25 yrs 94 2071 6236 5893 25 & under 30 yrs 93 2491 6254 5944 30 & under 35 yrs  
87 2772 6204 5780 35 & under 40 yrs 80 2977 5523 5378 354 10311 24217 22995 40 &  
under 45 yrs 78 3262 5466 5443 45 & under 50 yrs 94 4413 6644 6440 50 & under 55 yrs  
92 4757 6287 5894 55 & under 60 yrs 87 4962 6202 5825 351 17394 24599 23602 60 &  
under 65 yrs 85 5269 6245 5719 65 & under 70 yrs 89 5960 6685 6118 70 & under 75 yrs  
90 6462 6652 6314 75 & under 80 yrs 70 5415 5293 4894 334 23106 24875 23045 80  
& under 85 yrs 73 5977 5538 4983 85 & under 90 yrs 51 4427 3999 3618 90 & under 95  
yrs 14 1275 1086 1094 95 & over 1 95 92 84 139 11774 10715 9779 By ten-year periods  
under 10 yrs 322 669 22704 20600 10 & under 20 yrs 94 1453 6546 5768 20 & under 30  
yrs 187 4562 12490 11837 30 & under 40 yrs 167 5749 11787 11158 40 & under 50 yrs  
172 7675 12110 11883 942 20108 65578 61246 50 & under 60 yrs 179 9719 12489 11719  
60 & under 70 yrs 174 11229 12930 11837 70 & under 80 yrs 160 11877 11945 11208  
80 & under 90 yrs 124 10404 9537 8601 90 & over 15 1370 1178 1178 652 44599 48079  
44543 45 By twenty-year periods under 20 yrs 416 2122 29250 26368 20 & under 40 yrs  
354 10311 24217 22995 40 & under 60 yrs 351 17394 24599 23602 60 & under 80 yrs  
334 23106 24875 23045 80 & over 139 11774 10715 9779 1594 64707 113656 105789  
Total 1594 64707 113656 105789 46

## Step IV CALCULATION OF AVERAGES

The Method of Working

## Library of Congress

The Results in Tabular form

The Results Graphically shown

Age at death	Number of cases	Aggregate years lived by persons by fathers	by mothers
under 20 yrs	416	2122	29250
20 & under 40 yrs	354	10311	24217
40 & under 60 yrs	351	17394	22995
60 & under 80 yrs	334	23602	24599
80 & over	139	11774	10715
Total	1594	9779	64707
	113656	105789	

## AVERAGES

Age at death	Number of cases	Aggregate years lived by persons by fathers	by mothers	By twenty-year periods
under 20 yrs	416	5.1	70.3	63.4
20 & under 40 yrs	354	29.1	68.4	64.9
40 & under 60 yrs	351	49.5	70.1	67.2
60 & under 80 yrs	334	69.2	74.5	69.0
80 & over	139	84.7	77.1	70.3
Total	1594	40.6	71.3	66.4
		Verified AGB	CDM	